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SEQUENCE LISTING

<110> Hartley, James L.
Brasch, Michael A.
Temple, Gary F.
Fox, Donna K.

<120> Recombinational Cloning Using Nucleic Acids Having
Recombination Sites

<130> 0942.2850004

<140> US 09/177,387

<141> 1998-10-23

<150> US 60/065,930

<151> 1997-10-24

<160> 60

<170> PatentIn Ver. 2.0

<210> 1

<211> 25

<212> DNA

<213> Unknown

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<223> Description of Unknown Organism: recombination
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<223> Description of Unknown Organism: recombination
products

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<212> DNA

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products

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products

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25

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products

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25

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products

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25

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<213> Unknown

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products

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25

<210> 9

<211> 25

<212> DNA

<213> Unknown

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products

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gttcagcttt tttgtacaaa cttgt

25

<210> 10

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25

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<211> 25

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products

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25

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<213> Unknown

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25

<210> 13

<211> 25

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products

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25

<210> 14

<211> 25

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<213> Unknown

<220>

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products

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accagcttt cttgtacaaa gttgg

25

<210> 15

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products

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25

<210> 16
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products

<400> 16
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25

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products

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39

<210> 18
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<220>

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ccaccacaag tcgacgcatg ccgacagcct tccaaatgt

39

<210> 19

<211> 46

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic oligonucleotide

<400> 19

ggccgattac gatatcccaa cgaccgaaaa cctgtatttt cagggt

46

<210> 20

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic oligonucleotide

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caggttttcg gtcgttgga ttcgtaatc

30

<210> 21

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic oligonucleotide

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ggccagatta cgatatccca acgaccgaaa acctgtattt tcagggt

47

<210> 22

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 22

caggttttcg gtcgttgga ttcgtaatc t

31

<210> 23

<211> 48

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 23

ggccaagatt acgatatccc aacgaccgaa aacctgtatt ttcagggt

48

<210> 24

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 24

caggttttcg gtcgttgga ttcgtaatc tt

32

<210> 25

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 25

accgtttacg tggac

15

<210> 26

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

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oligonucleotide

<400> 26

tcgagtcac gtaaacggtt cccacttatt a

31

<210> 27

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 27

uauuuucagg guatggagaa aaaaatcact ggatatacc

39

<210> 28

<211> 33

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 28

ucccacuuau uacgccccgc cctgcactc atc

33

<210> 29

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 29

uauuuucagg guatgcctgt tctggaaaac cgg

33

<210> 30

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 30

ucccacuuau uatttcagcc ccagggcggc ttcc

34

<210> 31

<211> 58

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 31

tccgttgaag cctgcttttt tatactaact tgagcgaagc ctcggggtca gcataagg

58

<210> 32

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

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oligonucleotide

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ccaataactt cgtatagcat acattatacg aagttattgc cccttggtga cataactcg 58

<210> 33

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 33

tcactagtcg gcggcccaca 20

<210> 34

<211> 20

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 34

gagcggcccc cgcggaccac 20

<210> 35

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 35

ggcccacaag tttgtacaaa a

21

<210> 36

<211> 20

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 36

ccccgcggac cactttgtac

20

<210> 37

<211> 21

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 37

acaagtttgt acaaaaaagc a

21

<210> 38

<211> 21

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 38

accactttgt acaagaaagc t

21

<210> 39
<211> 25
<212> DNA
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products

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25

<210> 40
<211> 25
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products

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25

<210> 41
<211> 25
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<220>

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products

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25

<210> 42
<211> 25
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: recombination products

<400> 42

gttcagcttt yttrtacwaa stkgw

25

<210> 43

<211> 25

<212> DNA

<213> Unknown

<220>

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<400> 43

gttcagcttt yttrtacwaa gttgg

25

<210> 44

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination products

<400> 44

tcggacgaaa aaatatgatt gaact

25

<210> 45

<211> 25

<212> DNA

<213> Unknown

<220>

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<400> 45

tcggacgaaa aaacatgttt gaaca

25

<210> 46

<211> 25

<212> DNA

<213> Unknown

<220>

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products

<400> 46

tcggacgaaa gaacatgttt gaaca

25

<210> 47

<211> 25

<212> DNA

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products

<400> 47

tgggtcgaaa gaacatgttt cacca

25

<210> 48

<211> 24

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oligonucleotide

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aattctcatg tttgacagct tatc

24

<210> 49

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<213> Artificial Sequence

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oligonucleotide

<400> 49

cgatggatat gttctgccaa g

21

<210> 50

<211> 49

<212> DNA

<213> Artificial Sequence

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oligonucleotide

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acaagtttgt acaaaaaagc aggctaattc tcatgtttga cagcttatc

49

<210> 51

<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 51

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46

<210> 52

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 52

ggggacaagt ttgtacaaaa aagcaggcta attctcatgt ttgacagctt atc 53

<210> 53

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

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<210> 54

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 54

aatacattca aatatgtatc cgc 23

<210> 55

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 55

ttaccaatgc ttaatcagtg ag 22

<210> 56

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 56

acaagtttgt acaaaaaagc aggctaatac attcaaatat gtatccgc

48

<210> 57

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 57

accactttgt acaagaaagc tgggtttacc aatgcttaat cagtgag

47

<210> 58

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

<400> 58

ggggacaagt ttgtacaaaa aagcaggcta atacattcaa atatgtatcc gc

52

<210> 59

<211> 51

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
oligonucleotide

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<210> 60

<211> 25

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: recombination
products

<400> 60

agcctgcttt ttataactaa cttga 25